## (12)

## **EUROPEAN PATENT APPLICATION**

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- 7) Applicant: GENETYPE AG Neugasse 11 CH-6300 Zug(CH)
- Inventor: Simons, Malcolm J. Breackneck Road Fryerstown, Victoria 3451(AU)
- Representative: Calderbank, Thomas Roger et al

  MEWBURN ELLIS 2 Cursitor Street
  London EC4A 1BQ(GB)
- (S) Intron sequence analysis method for detection of adjacent and remote locus alleles as haplotypes.
- (57) The present invention provides a method for detection of at least one allele of a genetic locus and can be used to provide direct determination of the haplotype. The method comprises amplifying genomic DNA with a primer pair that spans an intron sequence and defines a DNA sequence in genetic linkage with an allele to be detected. The primerdefined DNA sequence contains a sufficient number of intron sequence nucleotides to characterize the allele. Genomic DNA is amplified to produce an amplified DNA sequence characteristic of the allele. The amplified DNA sequence is analyzed to detect the presence of a genetic variation in the amplified DNA sequence such as a change in the length of the sequence, gain or loss of a restriction site or substitution of a nucleotide. The variation is characteristic of the allele to be detected and can be used to detect remove alleles. Kits comprising one or more of the reagents used in the method are also described.

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EP 90 30 9107

Category	Citation of document with i	ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
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	The present search report has be	een drawn up for all claims		
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